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## Remark on operator matrices and their Weyl type theorems

### Abstract

In this talk, we study several spectral properties of operator matrices  $\begin{pmatrix} A & C \\ Z & B \end{pmatrix}$  acting on an infinite dimensional separable Hilbert space, where the range of  $C$  is closed. In particular, we investigate the conditions for such operator matrices to satisfy Weyl's theorem and Weyl type theorems such as  $a$ -Weyl's theorem,  $a$ -Browder's theorem, and so on.

This talk is based on joint work with Eungil Ko and Ji Eun Lee.

Talk time: 2016-07-21 18:00— 2016-07-21 18:20

Talk location: Cupples I Room 218

Session: Contributed talk